

FIG. 1

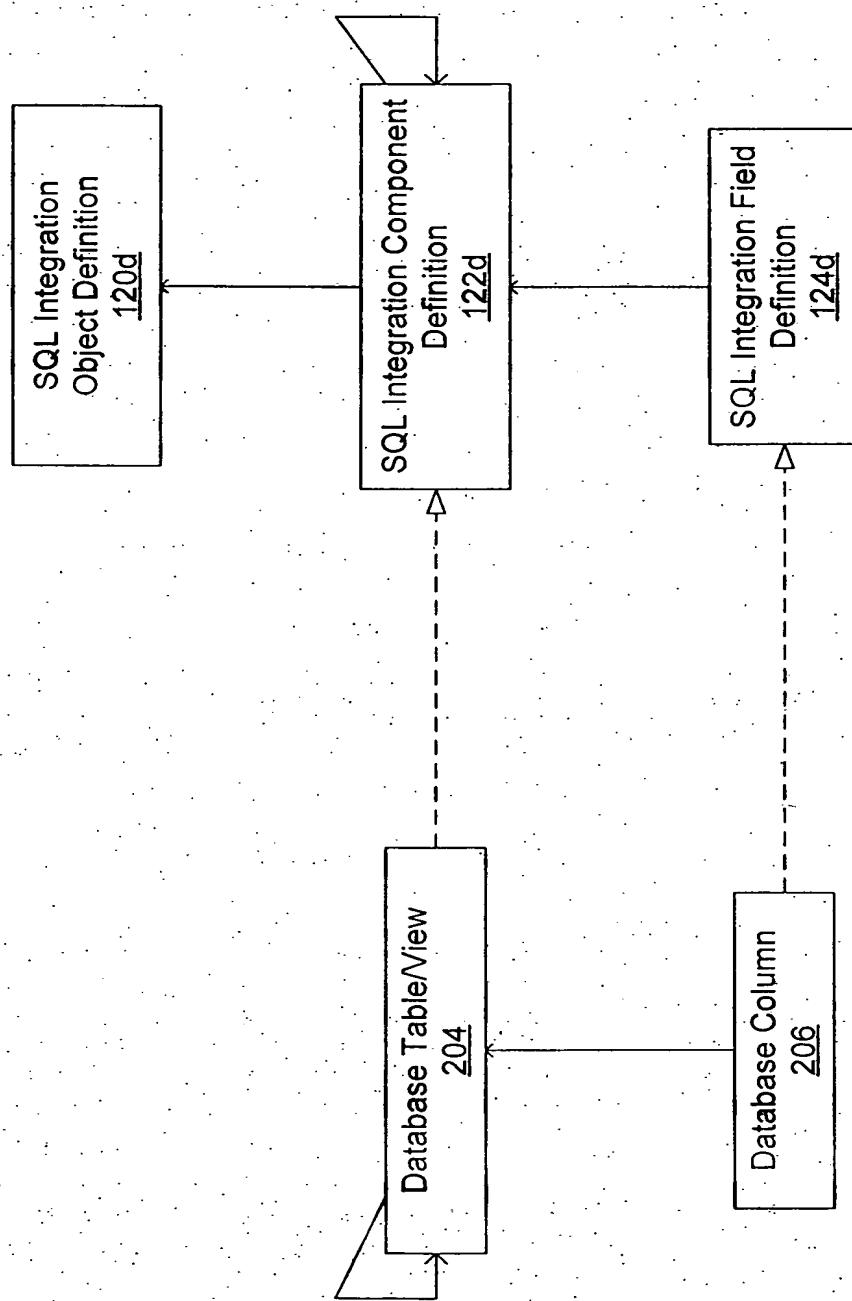


FIG. 2

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First Named Inventor:
Title:

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Arjun Chandrasekar Iyer
SQL Adapter Business Service

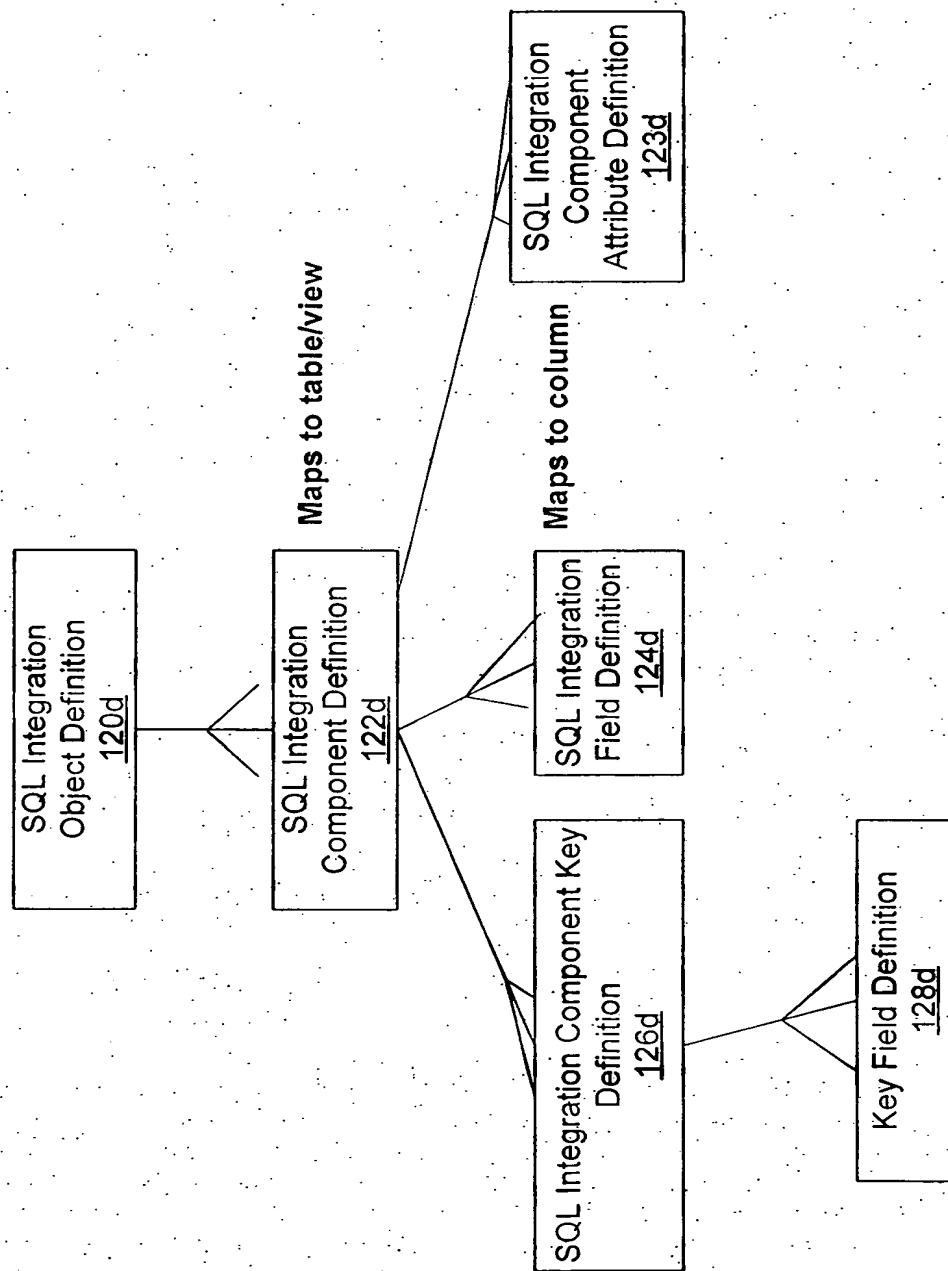


FIG. 3

SQL Integration Object Definition

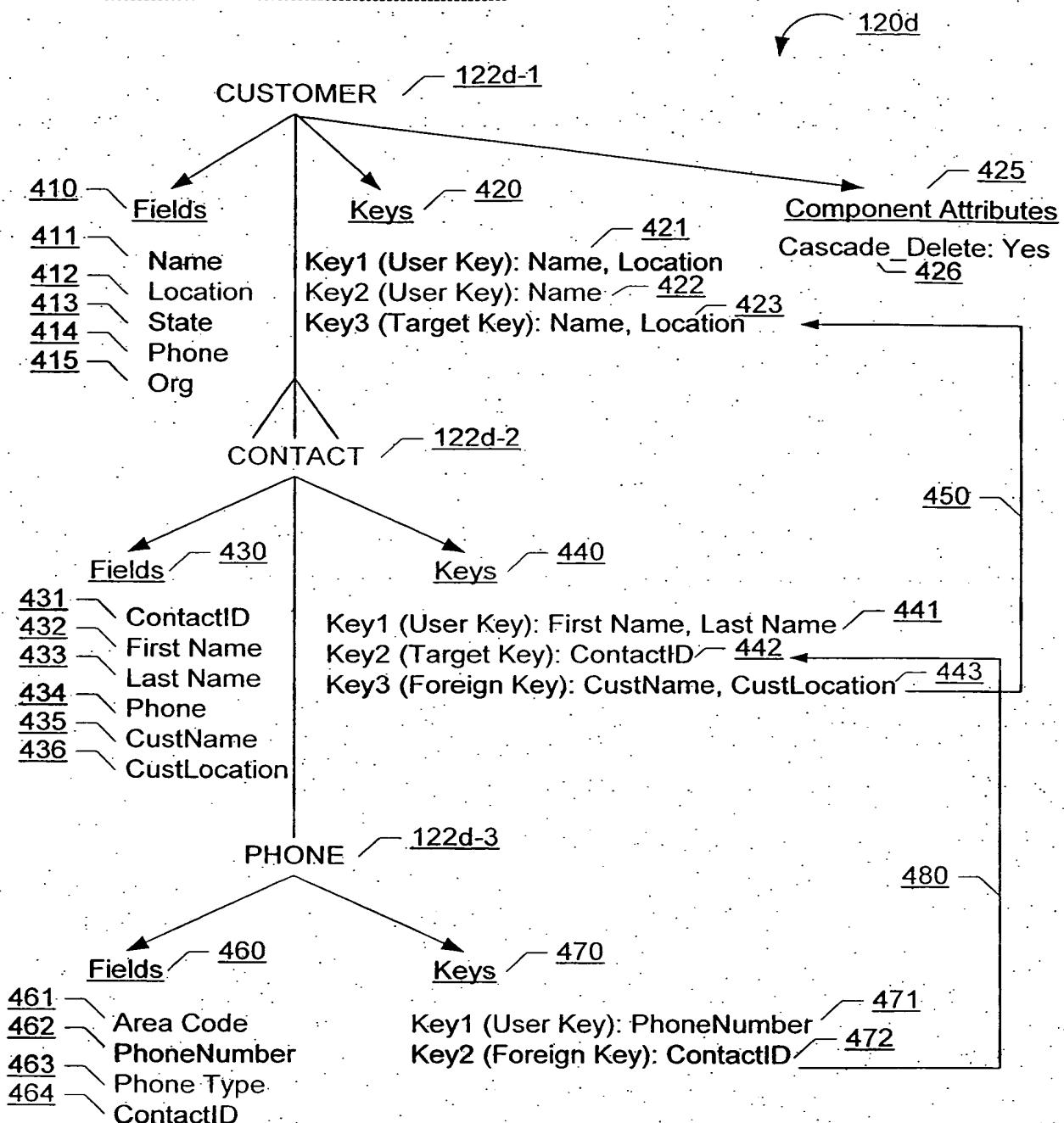


FIG. 4

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SQL Integration Object Instance

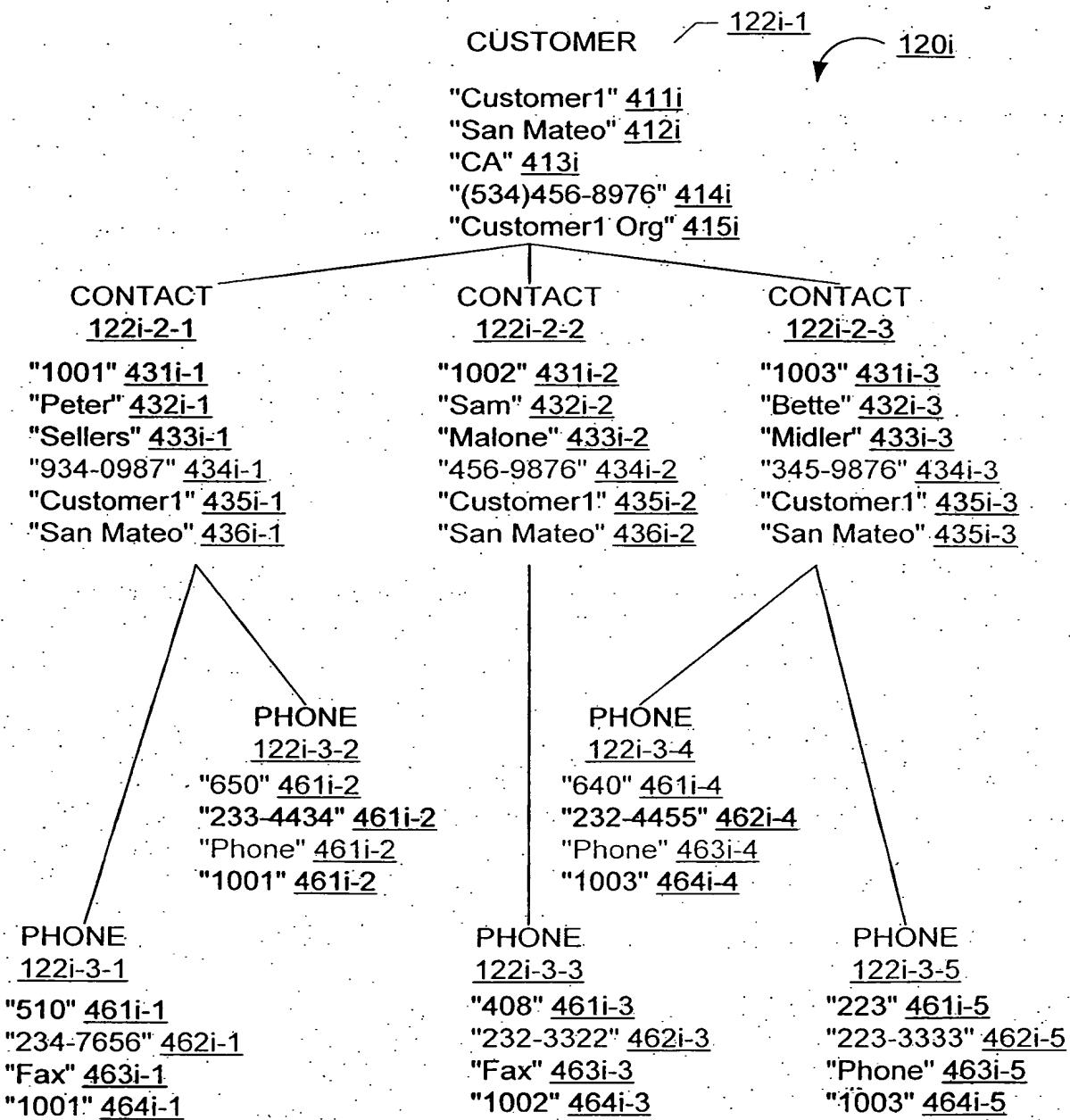


FIG. 5

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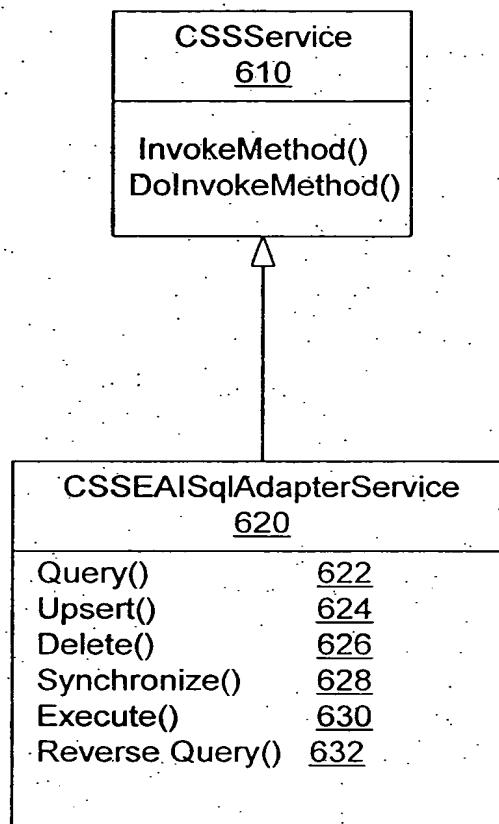
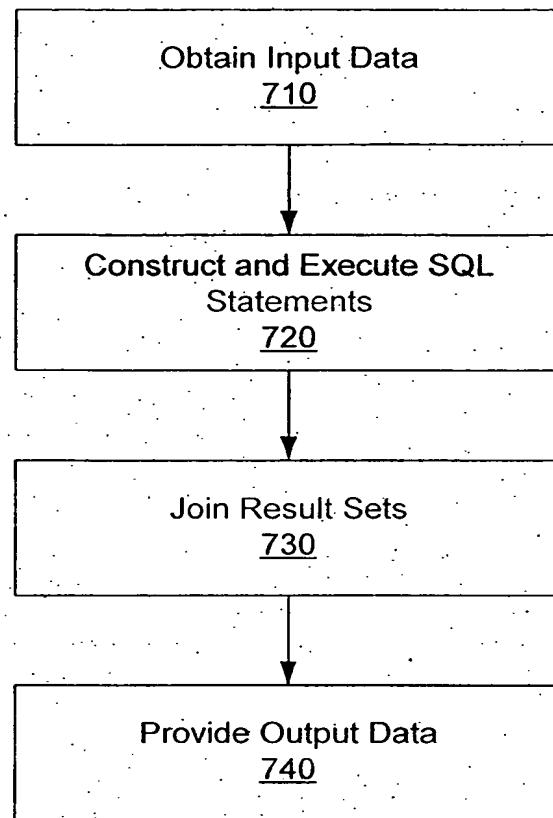
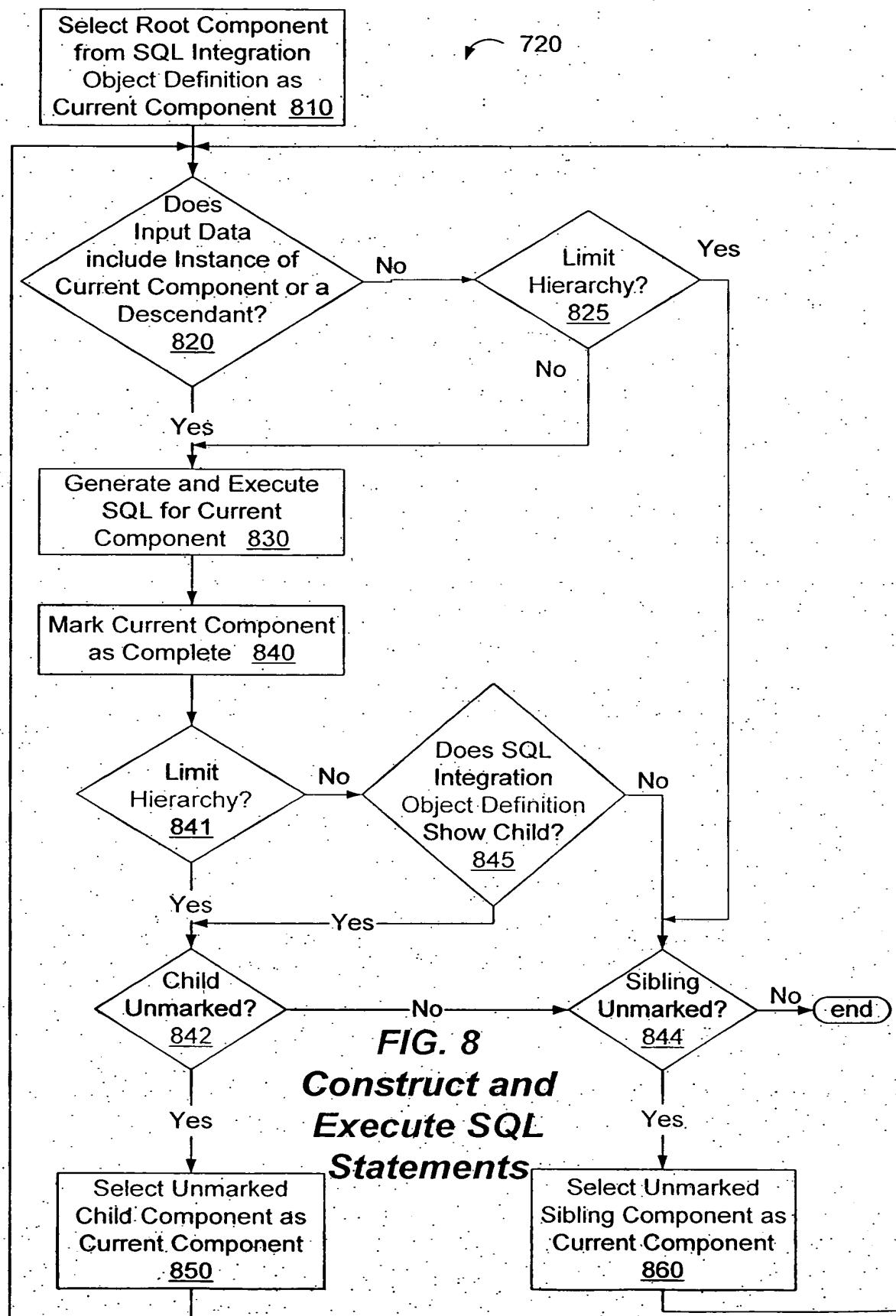


FIG. 6

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Query
FIG. 7



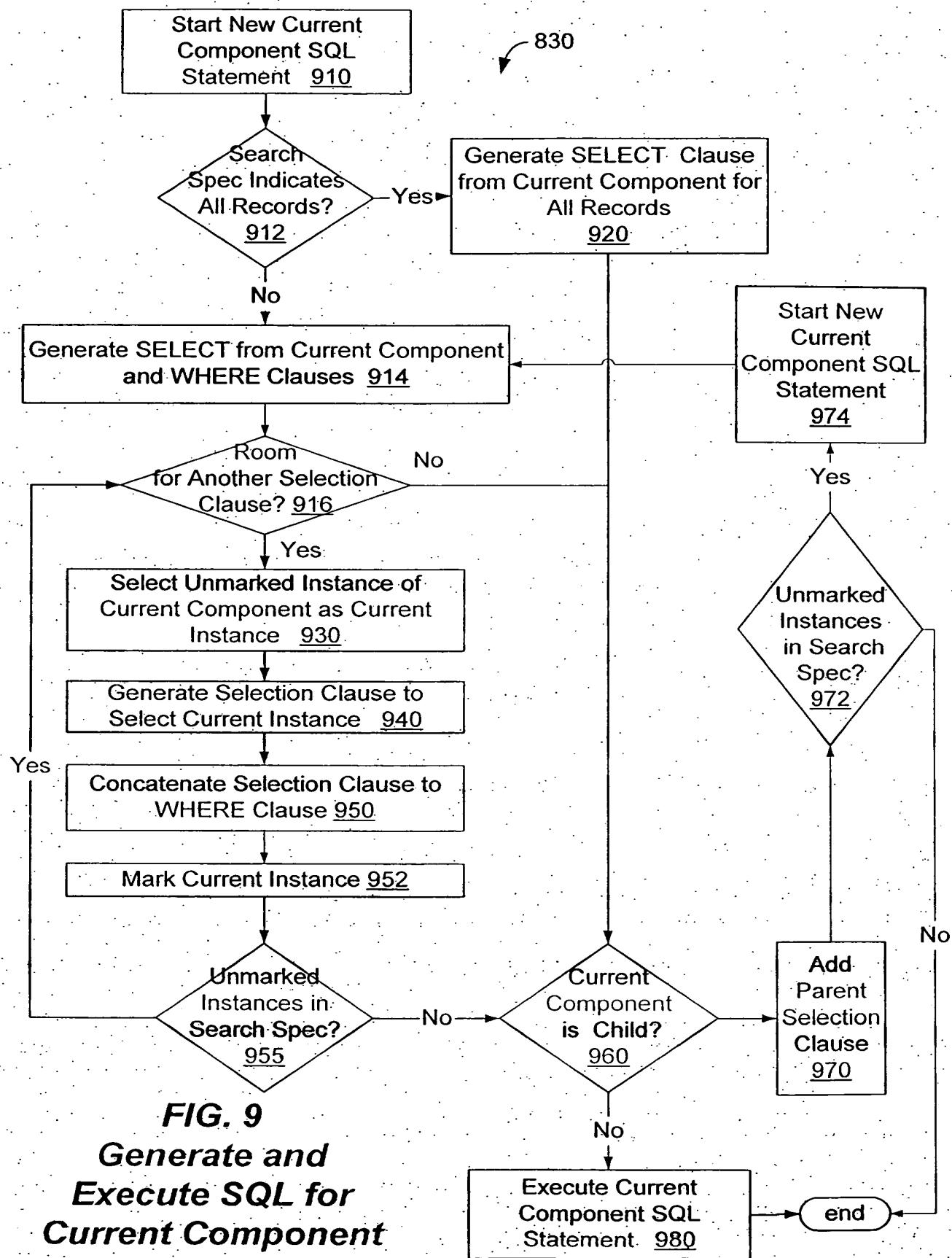
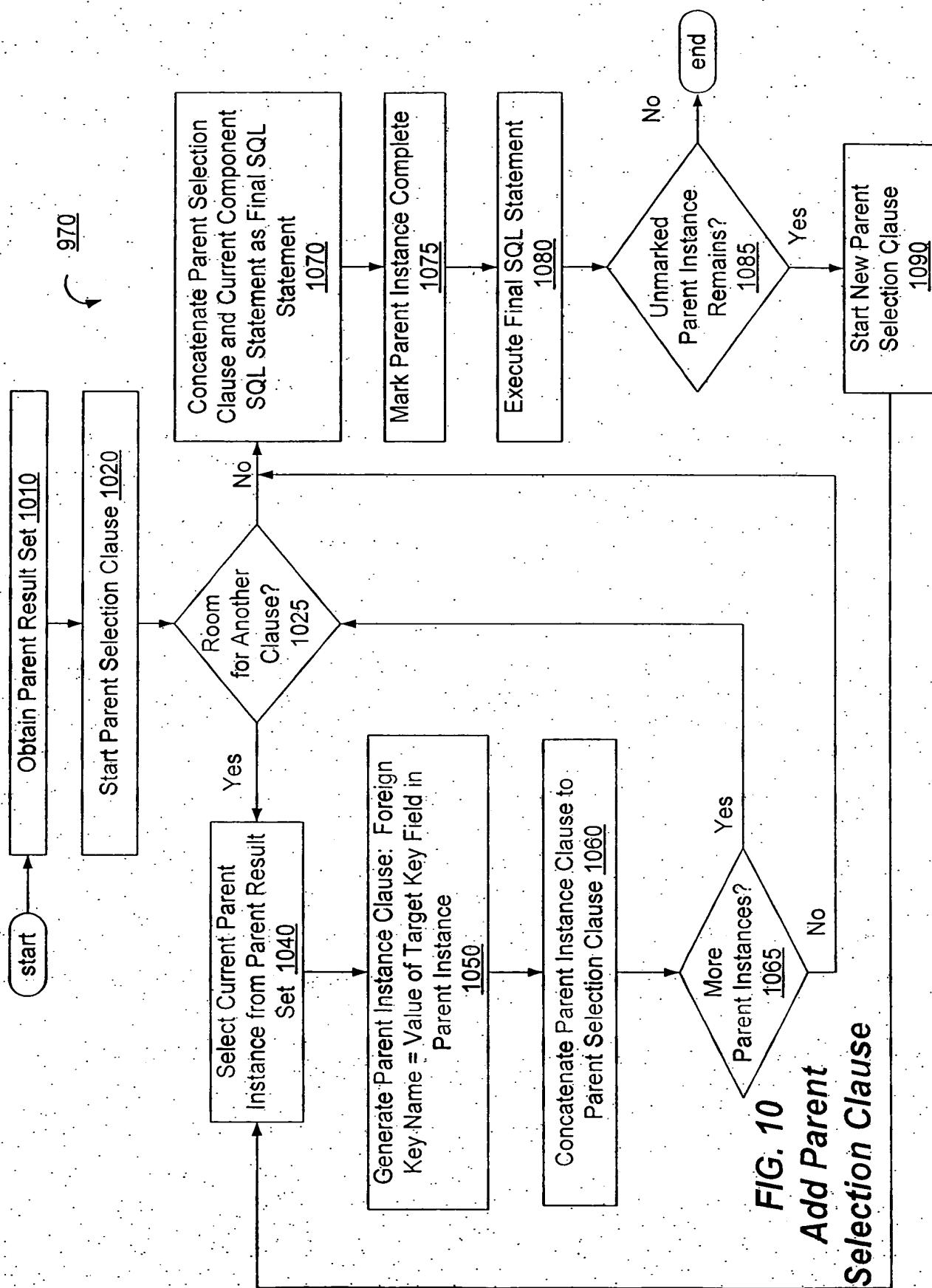
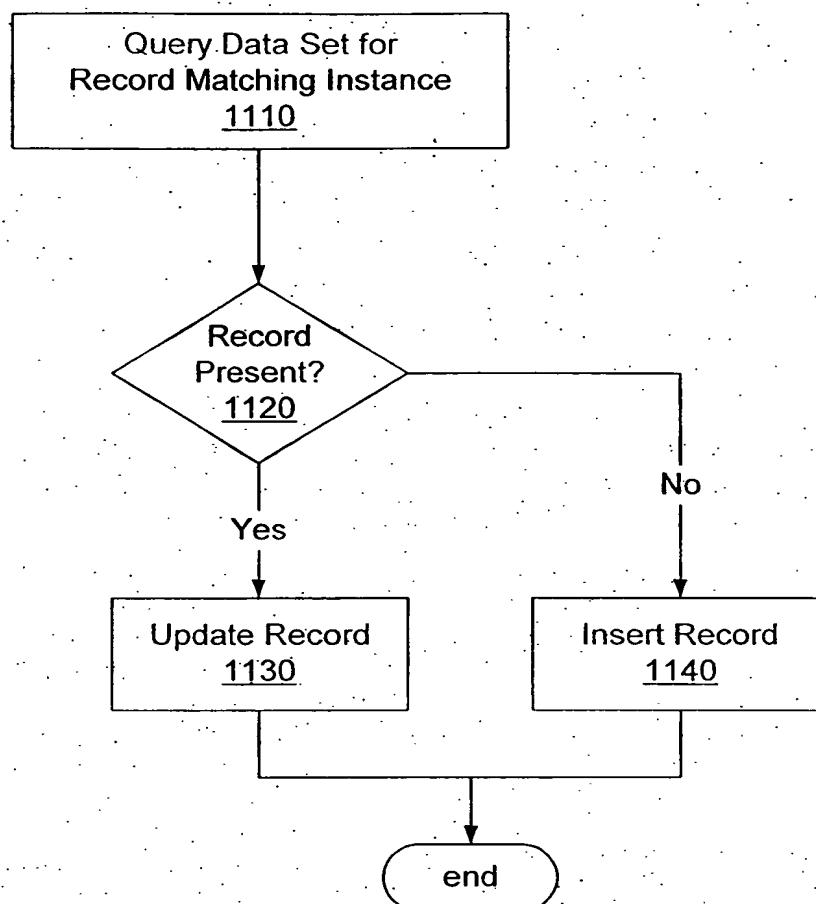


FIG. 9
Generate and Execute SQL for Current Component





Upset Record
FIG. 11

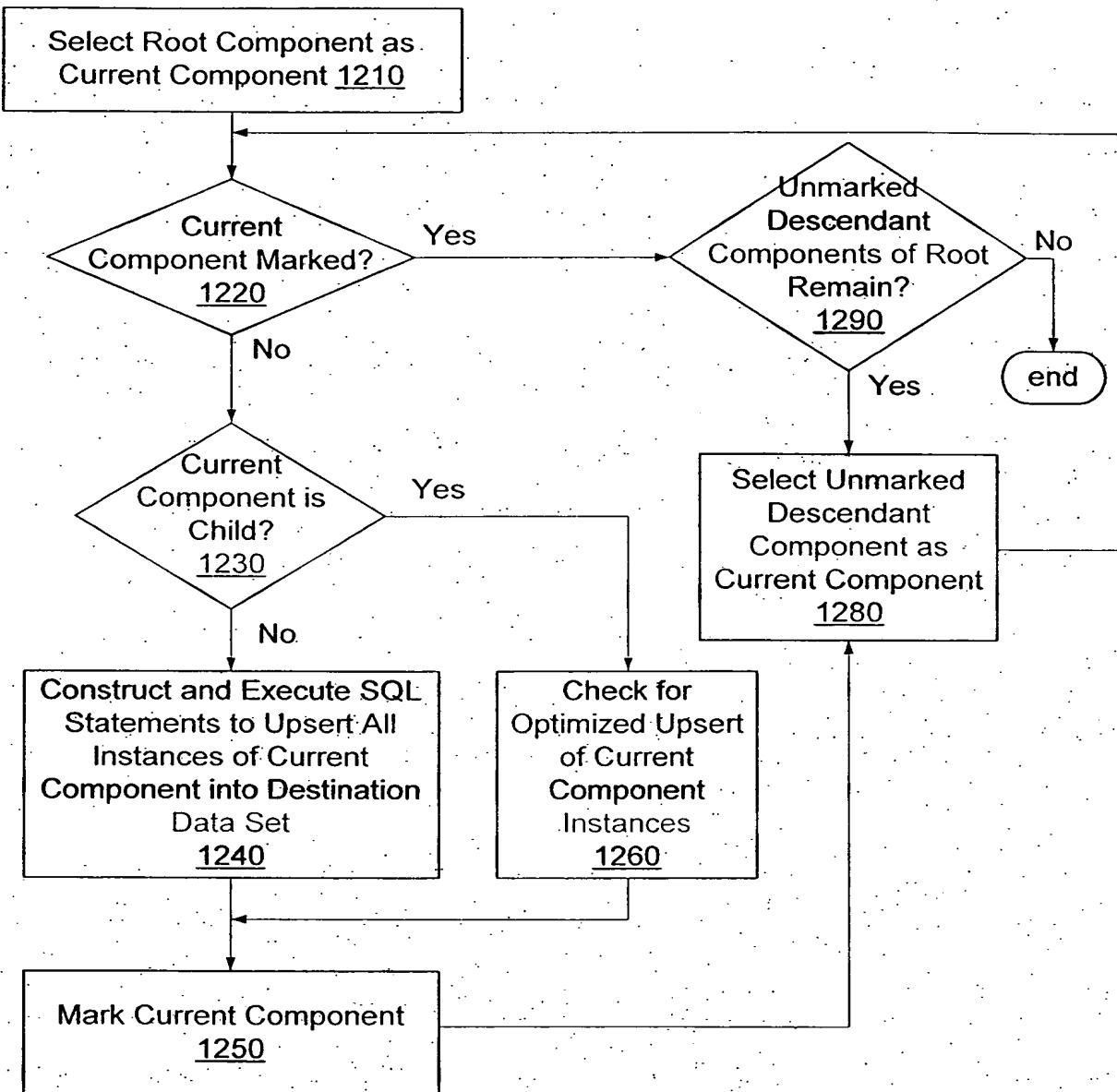


FIG. 12
Upsert Data Set

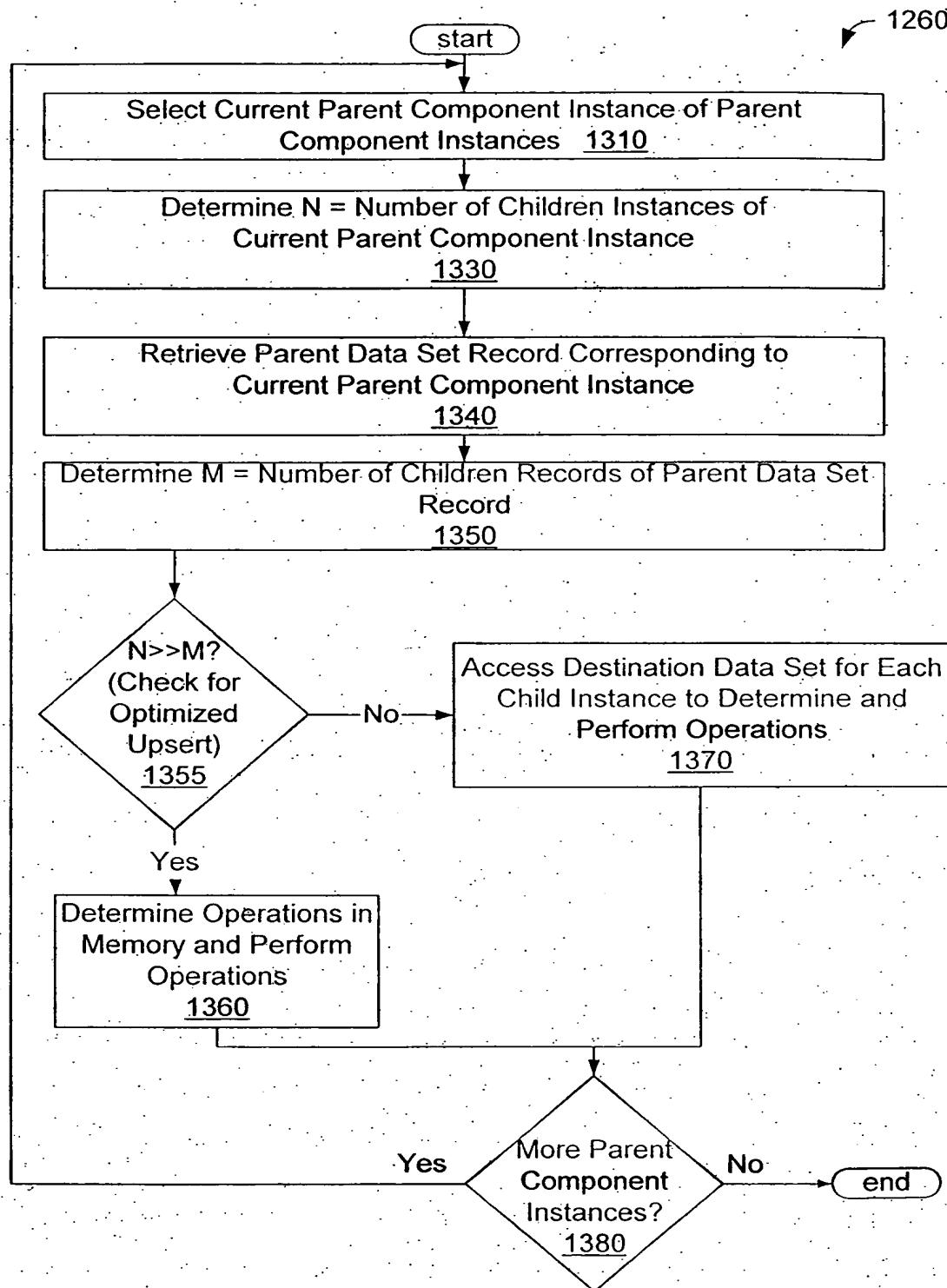


FIG. 13
Check for Optimized Upsert of Child Component Instances

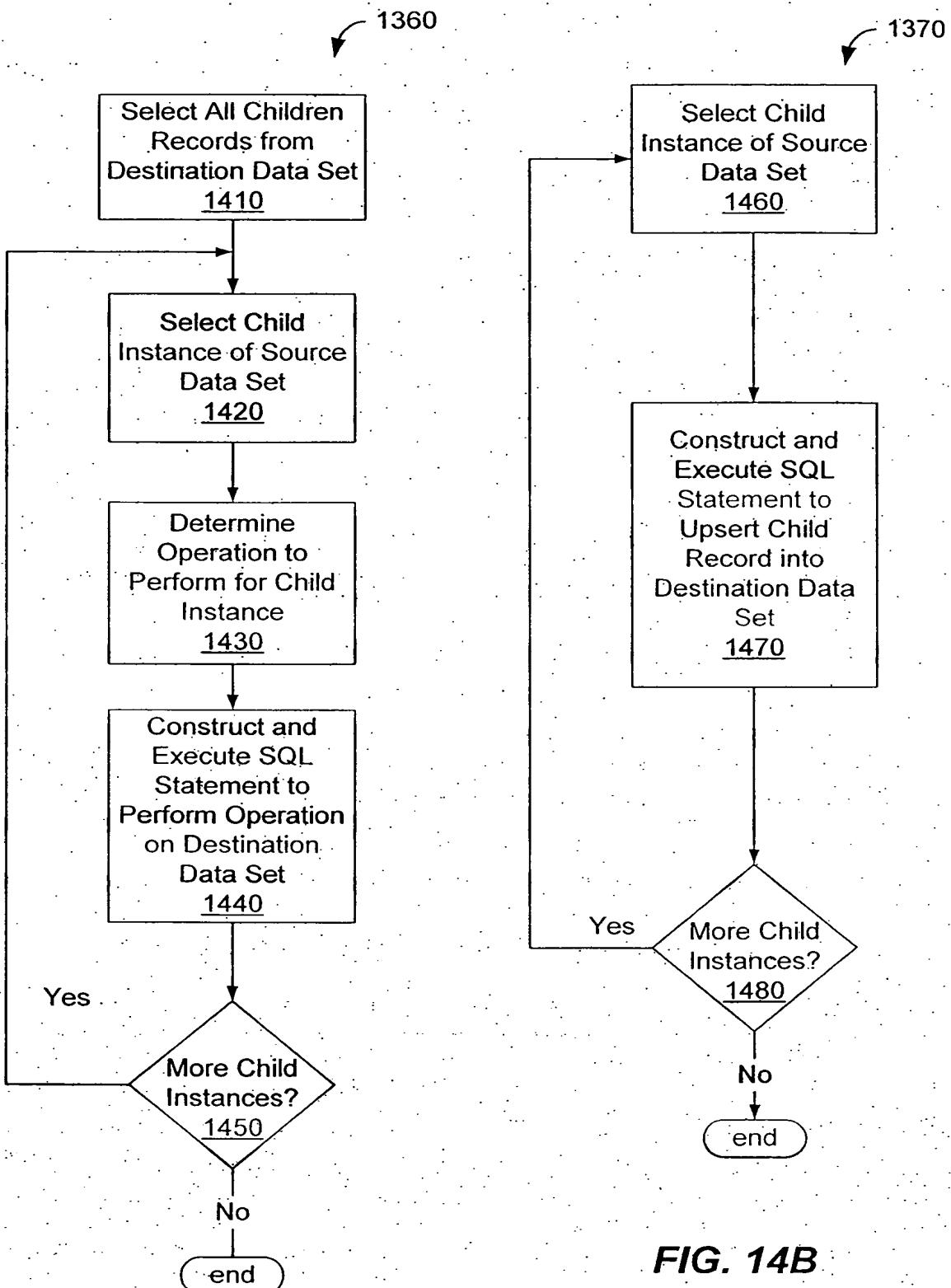
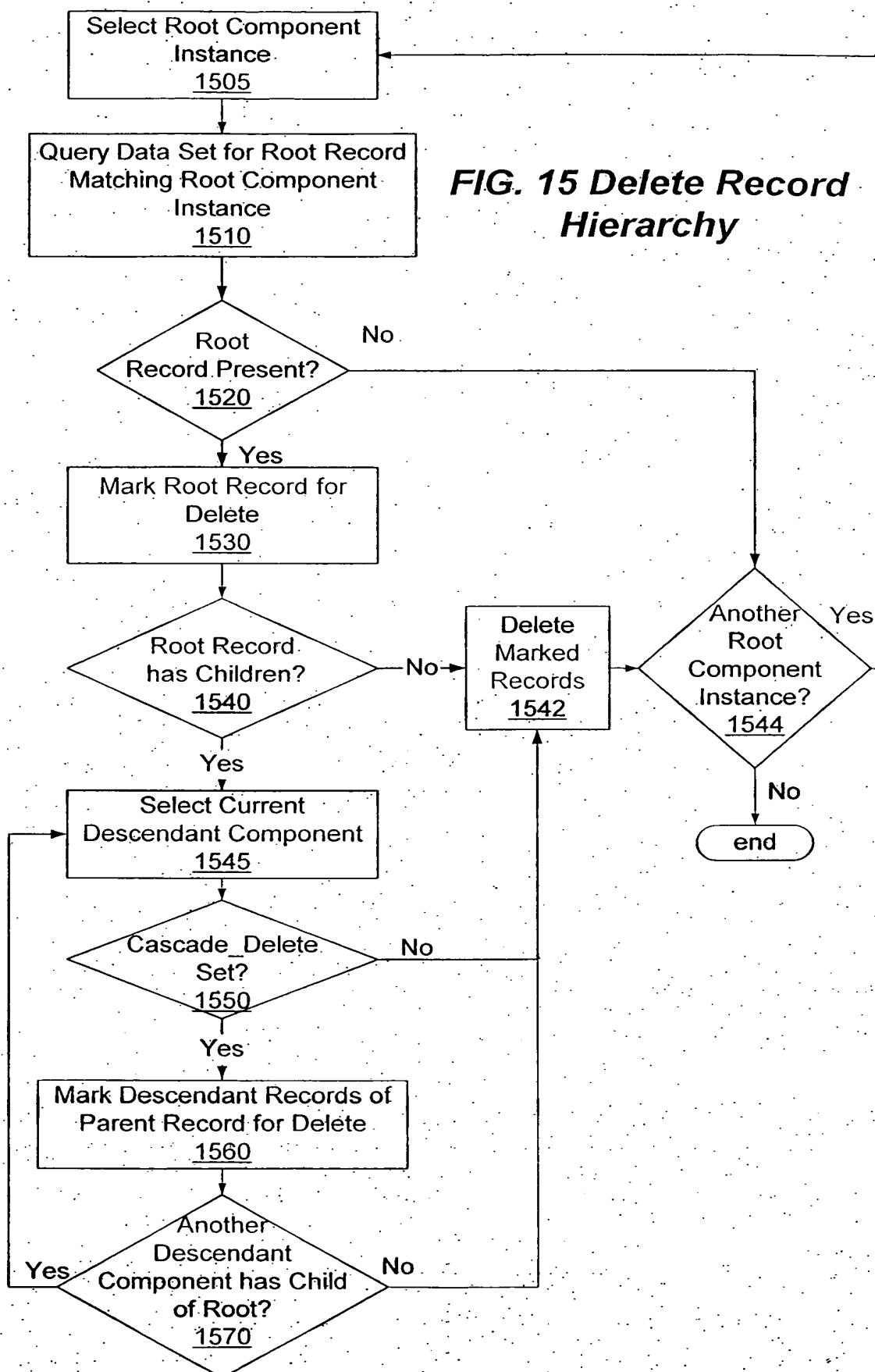


FIG. 14A

FIG. 14B



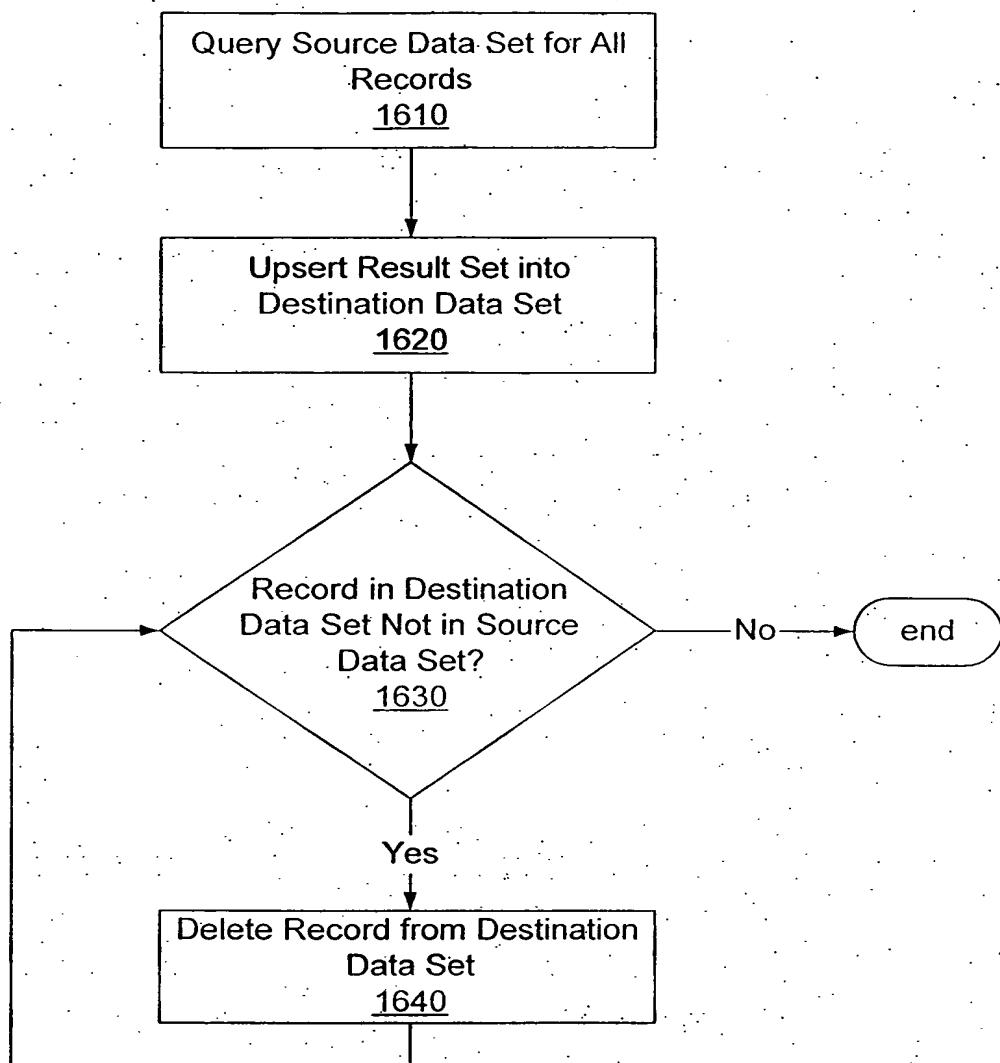
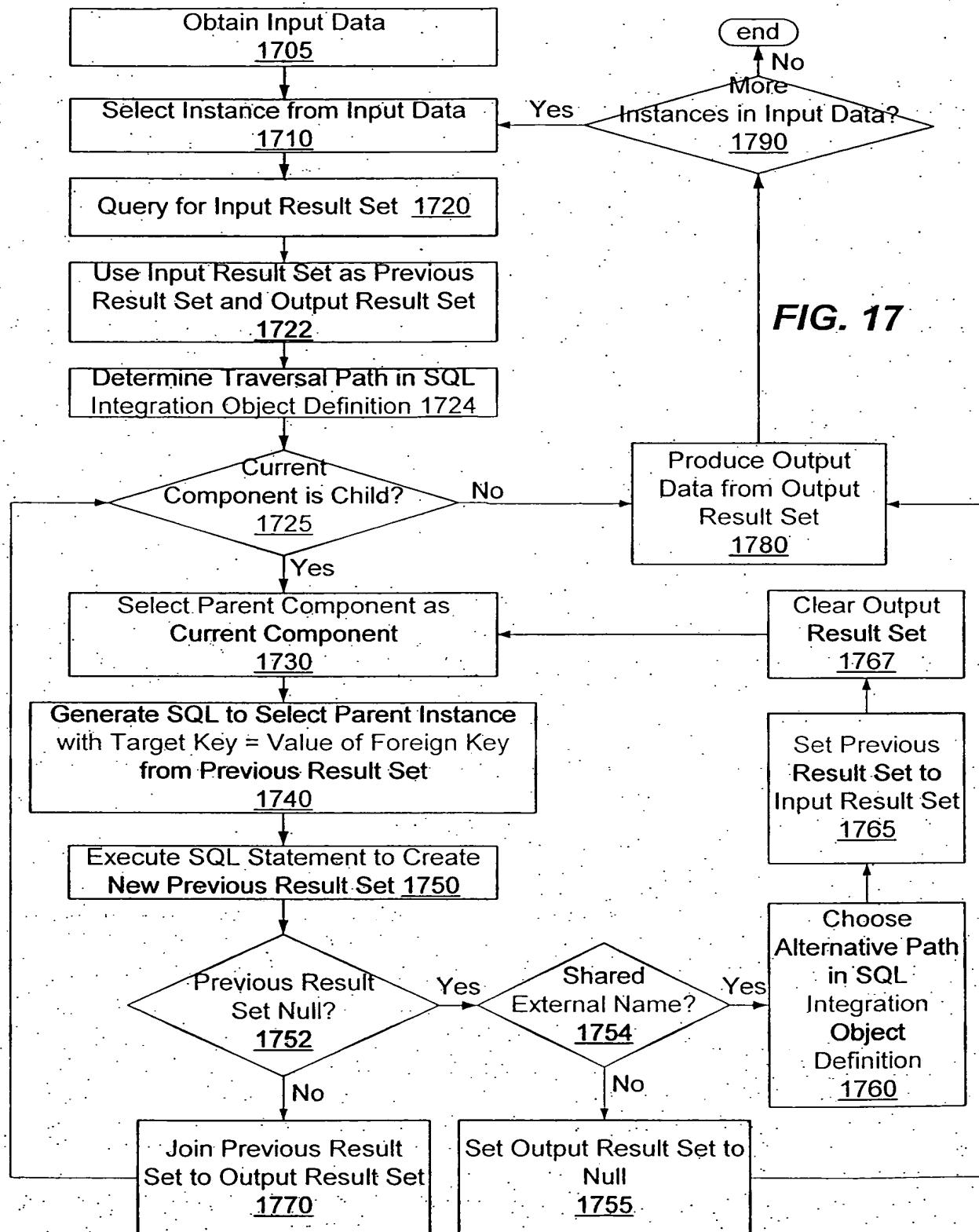


FIG. 16 Synchronize Data Sets



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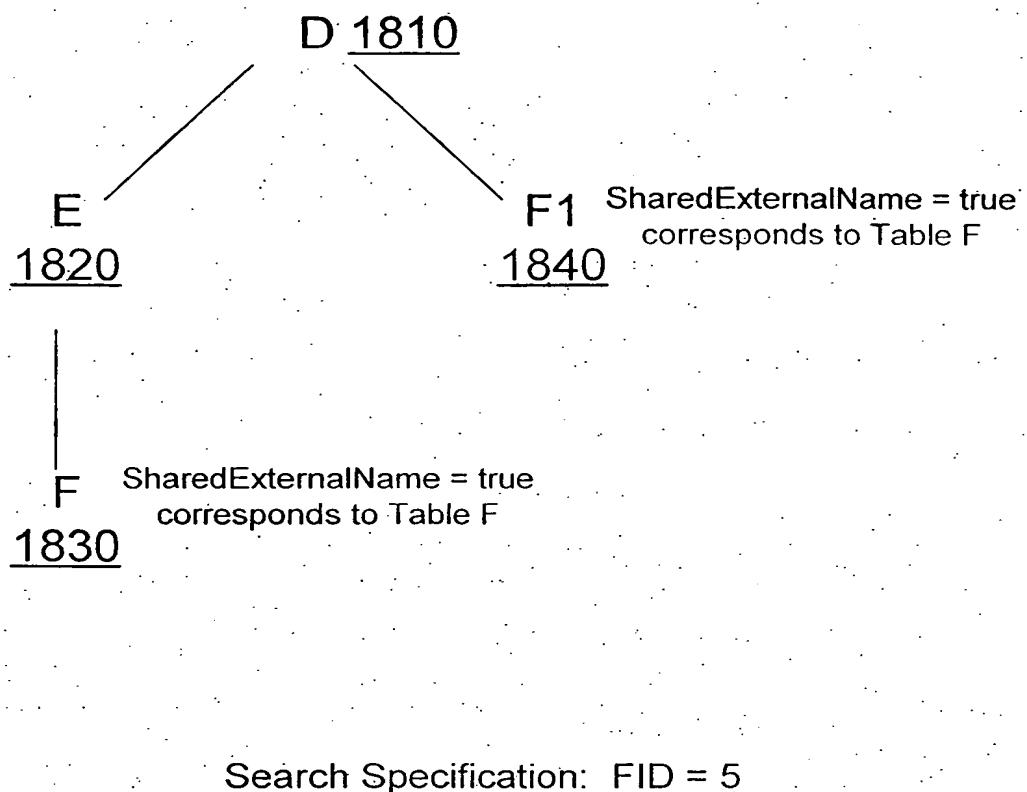


FIG. 18

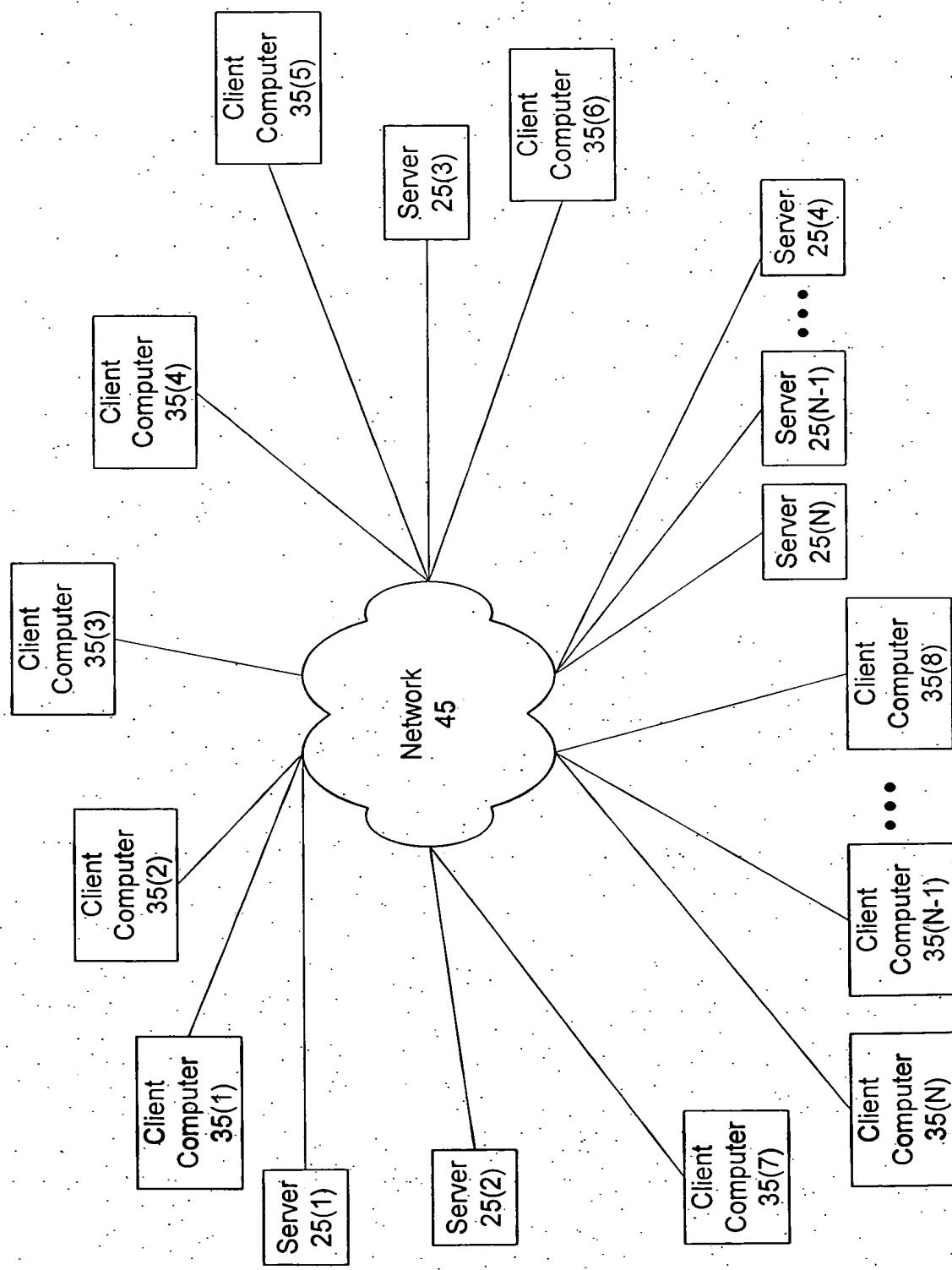


FIG. 19

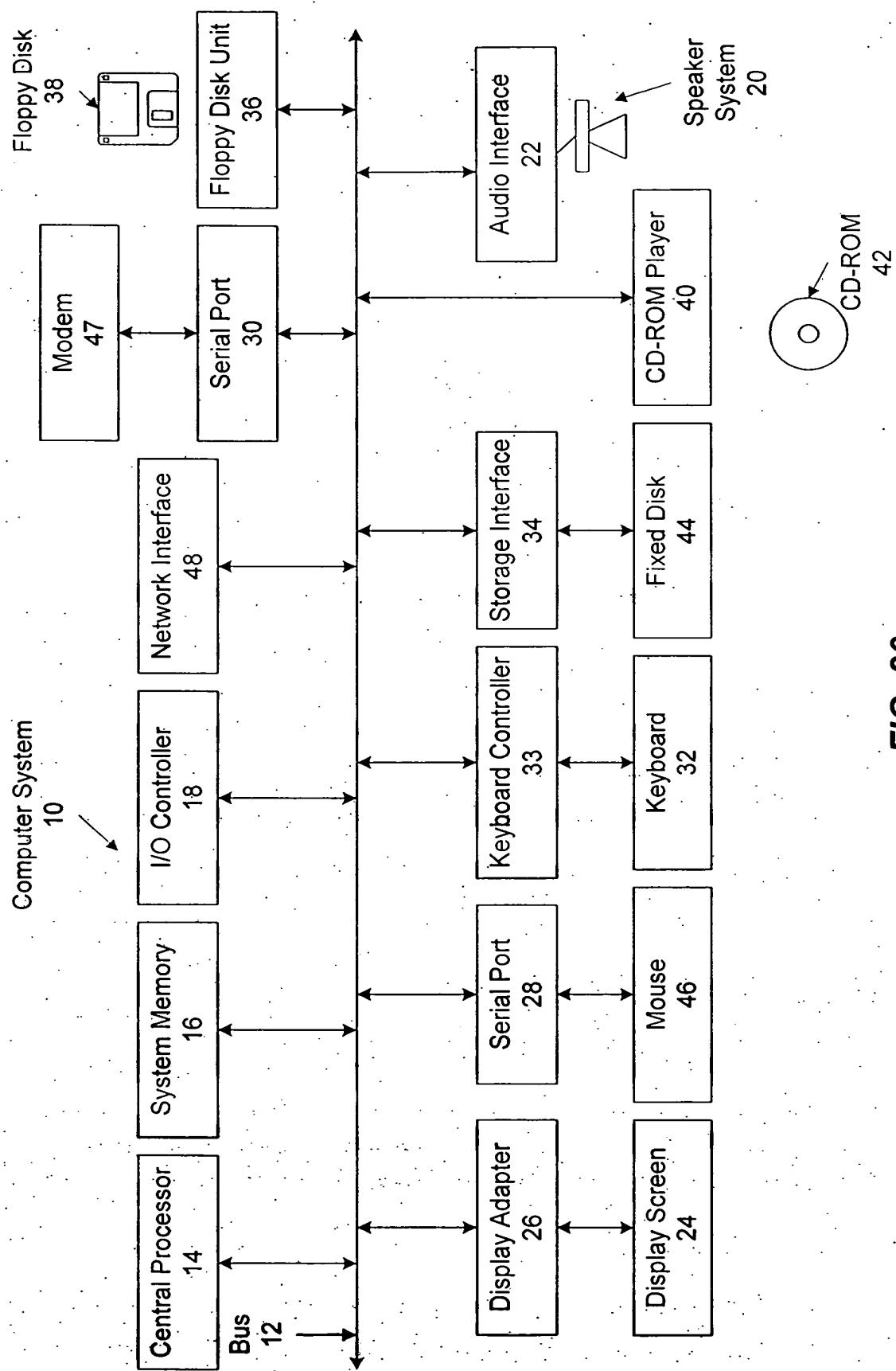


FIG. 20

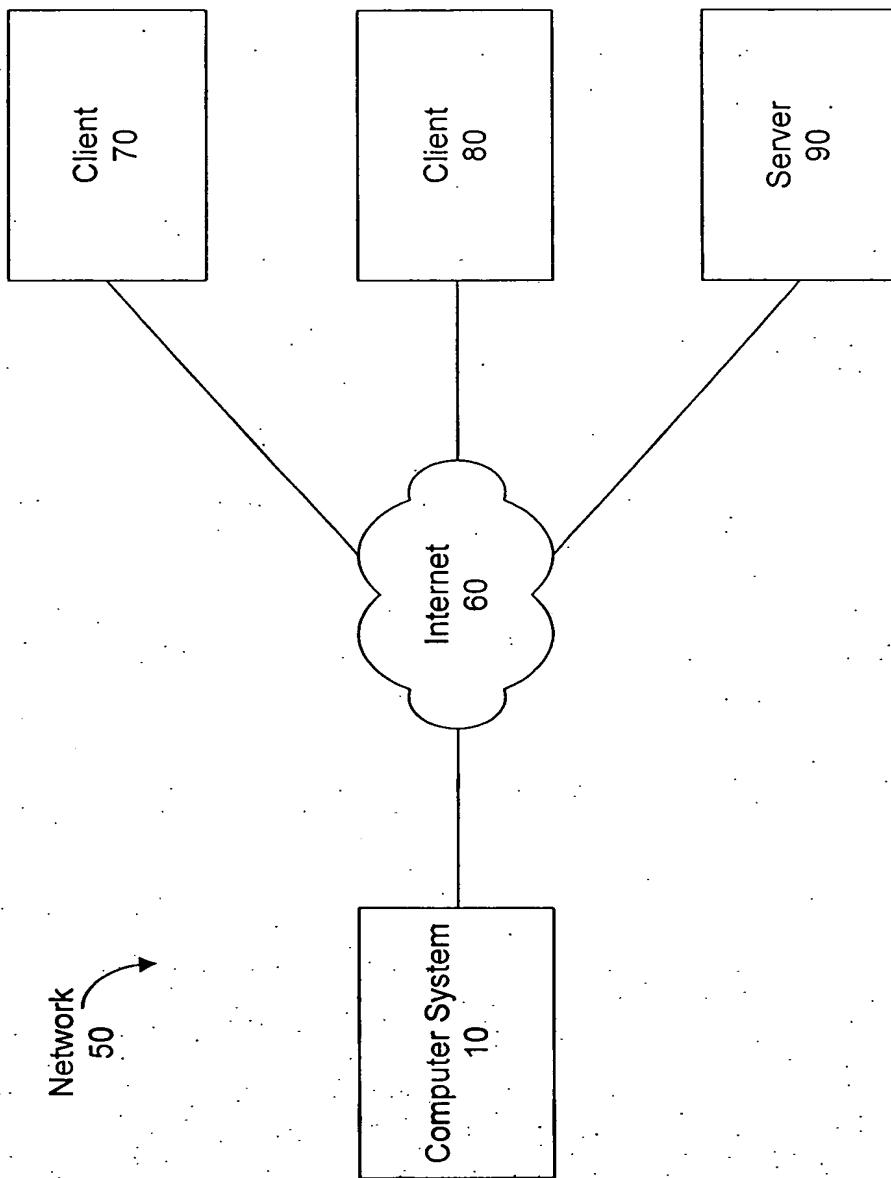


FIG. 21